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NCBI Nucleotide

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Books

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Range: from to ☐ Reverse complemented strand Features: ☐ SNP graph ☐ CDD ☒ MGC ☐ HPRD ☐ STS ☐ tRNA

1: AB006590. Reports Homo sapiens mRNA...[gi:2911151]

Links

LOCUS AB006590 1740 bp mRNA linear PRI 05-FEB-1999
DEFINITION Homo sapiens mRNA for estrogen receptor beta, complete cds.
ACCESSION AB006590
VERSION AB006590.1 GI:2911151
KEYWORDS estrogen receptor beta.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (sites)
AUTHORS Ogawa, S., Inoue, S., Watanabe, T., Hiroi, H., Orimo, A., Hosoi, T.,
Ouchi, Y. and Muramatsu, M.
TITLE The complete primary structure of human estrogen receptor beta (hER
beta) and its heterodimerization with ER alpha in vivo and in vitro
JOURNAL Biochem. Biophys. Res. Commun. 243 (1), 122-126 (1998)
PUBMED 9473491
REFERENCE 2 (bases 1 to 1740)
AUTHORS Ogawa, S.
TITLE Direct-Submission
JOURNAL Submitted (13-AUG-1997)-Sumito Ogawa, Saitama Medical School,
Department of 2nd Biochemistry; 38 Morohongo, Moroyama, Iruma-gun,
Saitama 350-0495, Japan (E-mail:suogawa@saitama-med.ac.jp,
Tel:81-492-76-1490, Fax:81-492-94-9751)
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☐ 1: 1204262A. Reports estrogen receptor...[gi:224957] BLink, Conserved Domains, Links

LOCUS 1204262A 595 aa linear PRI 10-AUG-1994

DEFINITION estrogen receptor

ACCESSION 1204262A

VERSION 1204262A GI:224957

DBSOURCE prf: locus 1204262A;

state: fibrosarcoma;
taxonomy: Mammalia;

KEYWORDS Estrogen Receptor; Human; cDNA; Clone; Breast Cancer; Seq Determination; 6460bp; 595AAs; Expression in HeLa Cell; Binding of Estradiol; Seq Homol with erbA Protein; Hydropathy Plot.

SOURCE
ORGANISM Homo sapiens (human)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 595)
AUTHORS Green, S., Walter, P., Kumar, V., Krust, A., Bornert, J.M., Argos, P. and Chambon, P.
TITLE Human oestrogen receptor cDNA: sequence, expression and homology to v-erb-A
JOURNAL Nature 320 (6058), 134-139 (1986)
PUBMED 3754034
COMMENT cDNA.

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1: X51416. Reports Human mRNA for st...[gi:36608]

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LOCUS HSSTHOR 2402 bp mRNA linear PRI 18-APR-2005
DEFINITION Human mRNA for steroid-hormone-receptor-hERR1.
ACCESSION X51416 Y00290
VERSION X51416.1 GI:36608
KEYWORDS hormone receptor; receptor; steroid hormone receptor; transmembrane protein.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 2402)
AUTHORS Giguere, V., Yang, N., Segui, P. and Evans, R.M.
TITLE Identification of a new class of steroid hormone receptors
JOURNAL Nature 331 (6151), 91-94 (1988)
PUBMED 3267207

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Range: from to ☐ Reverse complemented strand Features: ☐ SNP graph ☐ CDD ☒ MGC ☐ HPRD ☐ STS ☐ tRNA

☒ 1: X03635. Reports Homo sapiens mRNA...[gi:31233] [Links](#)

LOCUS HSERR 6450 bp mRNA linear PRI 11-JUN-2003
DEFINITION Homo sapiens mRNA for oestrogen receptor.
ACCESSION X03635 M11457
VERSION X03635.1 GI:31233
KEYWORDS estrogen receptor; receptor; steroid hormone receptor.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 6450)
AUTHORS Green, S., Walter, P., Kumar, V., Krust, A., Bornert, J. M., Argos, P. and
Chambon, P.
TITLE Human oestrogen receptor cDNA: sequence, expression and homology to
v-erb-A
JOURNAL Nature 320 (6058), 134-139 (1986)
PUBMED 3754034
COMMENT Data kindly reviewed (28-OCT-1986) by P. Chambon.
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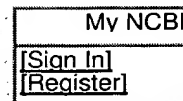
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PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Books
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Range: from begin to end Features: ☐ SNP graph ☐ CDD ☒ MGC ☐ HPRD ☐ STS ☐ tRNA [Refre](#)

☐ 1: 1JAI. Reports Chain , H-Ras P2...[gi:2392390]

[BLink](#), [Conserved Domains](#), [Links](#)

LOCUS 1JAI 166 aa linear PRI 15-DEC-1996
 DEFINITION H-Ras P21 Protein-Mutant G12p, Complexed With Guanosine-5'-[beta,Gamma-Methylene] Triphosphate And Manganese.

ACCESSION 1JAI
 VERSION 1JAI GI:2392390
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 deposition: Dec 15, 1996;
 class: Gtp-Binding;
 source: Mol_id: 1; Organism_scientific: Homo Sapiens;
 Organism_common: Human; Gene: H-Ras-1; Expression_system:
 Escherichia Coli; Expression_system_strain: Ck 600 K;
 Expression_system_vector: Ptac Ras;
 Exp. method: X-Ray Diffraction.

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.

REFERENCE 1 (residues 1 to 166)

AUTHORS Seeburg,P.H., Colby,W.W., Capon,D.J., Goeddel,D.V. and Levinson,A.D.

TITLE Biological properties of human c-Ha-ras1 genes mutated at codon 12

JOURNAL Nature 312 (5989), 71-75 (1984)

PUBMED 6092966

REFERENCE 2 (residues 1 to 166)

AUTHORS Pai,E.F., Krengel,U., Petsko,G.A., Goody,R.S., Kabsch,W. and Wittinghofer,A.

TITLE Refined crystal structure of the triphosphate conformation of H-ras p21 at 1.35 A resolution: implications for the mechanism of GTP hydrolysis

JOURNAL EMBO J. 9 (8), 2351-2359 (1990)

PUBMED 2196171

REFERENCE 3 (residues 1 to 166)

AUTHORS Schweins,T., Scheffzek,K., Assheuer,R. and Wittinghofer,A.

TITLE The role of the metal ion in the p21ras catalysed GTP-hydrolysis: Mn2+ versus Mg2+

JOURNAL J. Mol. Biol. 266 (4), 847-856 (1997)

PUBMED 9102473

REFERENCE 4 (residues 1 to 166)

AUTHORS Schweins,T., Scheffzek,K., Assheuer,R. and Wittinghofer,A.

TITLE Direct Submission

JOURNAL Submitted (15-DEC-1996)

COMMENT

Revision History:
 JUL 23 97 Initial Entry.

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☒ 1: [AAC13246](#). Reports ras p21 [Canis fa...[gi:3043763]
 [BLink](#), [Conserved Domains](#), [Links](#)

LOCUS AAC13246 83 aa linear MAM 25-APR-2000
 DEFINITION ras p21 [Canis familiaris].
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 VERSION AAC13246.1 GI:3043763
 DBSOURCE locus CFU62092 accession [U62092.3](#)
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 SOURCE Canis familiaris (dog)
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 Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
 Canis.
 REFERENCE 1 (residues 1 to 83)
 AUTHORS Watzinger, F., Mayr, B., Haring, E. and Lion, T.
 TITLE High sequence similarity within ras exons 1 and 2 in different
 mammalian species and phylogenetic divergence of the ras gene
 family
 JOURNAL Mamm. Genome 9 (3), 214-219 (1998).
 PUBMED [9501305](#)
 REFERENCE 2 (residues 1 to 83)
 AUTHORS Watzinger, F.
 TITLE Direct Submission
 JOURNAL Submitted (25-JUN-1996) Children's Cancer Research Institute,
 Kinderspitalgasse 6, Vienna A-1090, Austria
 REFERENCE 3 (residues 1 to 83)
 AUTHORS Watzinger, F.
 TITLE Direct Submission
 JOURNAL Submitted (23-NOV-1999) Children's Cancer Research Institute,
 Kinderspitalgasse 6, Vienna A-1090, Austria
 REMARK Sequence update by submitter
 REFERENCE 4 (residues 1 to 83)
 AUTHORS Watzinger, F.
 TITLE Direct Submission
 JOURNAL Submitted (25-APR-2000) Children's Cancer Research Institute,
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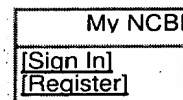
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☒ 1: [AAC13249](#). Reports ras p21 [Felis ca...[gi:3043769]

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 DEFINITION [ras p21](#) [Felis catus].
 ACCESSION [AAC13249](#)
 VERSION AAC13249.1 GI:3043769
 DBSOURCE locus FCU62088 accession [U62088.1](#)
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 SOURCE Felis catus (cat)
 ORGANISM [Felis catus](#)
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 REFERENCE 1 (residues 1 to 83)
 AUTHORS Watzinger, F., Mayr, B., Haring, E. and Lion, T.
 TITLE High sequence similarity within ras exons 1 and 2 in different mammalian species and phylogenetic divergence of the ras gene family
 JOURNAL Mamm. Genome [9 \(3\)](#), 214-219 (1998)
 PUBMED [9501305](#)
 REFERENCE 2 (residues 1 to 83)
 AUTHORS Watzinger, F.
 TITLE Direct Submission
 JOURNAL Submitted (25-JUN-1996) Children's Cancer Research Institute, Kinderspitalgasse 6, Vienna A-1090, Austria
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Range: from begin to end Features: ☐ SNP graph ☐ CDD ☒ MGC ☐ HPRD ☐ STS ☐ tRNA Refre:☐ 1: 621P. Reports Chain, H-Ras P2...[gi:494922]BLink, Conserved
Domains, Links

LOCUS 621P 166 aa linear PRI 07-OCT-1998
 DEFINITION H-Ras P21 Protein Mutant With Gln 61 Replaced By His (Q61h) Complex
 With Guanosine-5'-[b,G-Imido]Triphosphate.
 ACCESSION 621P
 VERSION 621P GI:494922
 DBSOURCE pdb: molecule 621P, chain 32, release Jun 6, 1991;
 deposition: Jun 6, 1991;
 class: Oncogene Protein;
 source: Human (Homo Sapiens) Cellular Harvey-Ras Gene Truncated And
 Expressed In (Escherichia Coli);
 Exp. method: X-Ray Diffraction.

KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.

REFERENCE 1 (residues 1 to 166)
 AUTHORS Pai, E.F., Krengel, U., Petsko, G.A., Goody, R.S., Kabsch, W. and
 Wittinghofer, A.
 TITLE Refined crystal structure of the triphosphate conformation of H-ras
 p21 at 1.35 Å resolution: implications for the mechanism of GTP
 hydrolysis
 JOURNAL EMBO J. 9 (8), 2351-2359 (1990)
 PUBMED 2196171

REFERENCE 2 (residues 1 to 166)
 AUTHORS Krengel, U., Schlichting, L., Scherer, A., Schumann, R., Frech, M.,
 John, J., Kabsch, W., Pai, E.F. and Wittinghofer, A.
 TITLE Three-dimensional structures of H-ras p21 mutants: molecular basis
 for their inability to function as signal switch molecules
 JOURNAL Cell 62 (3), 539-548 (1990)
 PUBMED 2199064

REFERENCE 3 (residues 1 to 166)
 AUTHORS Krengel, U., Scherer, A., Kabsch, W., Wittinghofer, A. and Pai, E.F.
 TITLE Direct Submission
 JOURNAL Submitted (06-JUN-1991)
 COMMENT Revision History:
 JAN 31 94 Initial Entry.

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1: AAB02605. Reports c-Ha-ras1 p21 pro...[gi:190891]

BLink, Conserved Domains, Links

LOCUS AAB02605 189 aa linear PRI 13-FEB-2004
 DEFINITION c-Ha-ras1 p21 protein [Homo sapiens]
 ACCESSION AAB02605 CAA23837
 VERSION AAB02605.1 GI:190891
 DBSOURCE locus HUMRASH accession J00277.1
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
 REFERENCE 5 (residues 1 to 189)
 AUTHORS Capon,D.J., Chen,E.Y., Levinson,A.D., Seeburg,P.H. and Goeddel,D.V.
 TITLE Complete nucleotide sequences of the T24 human bladder carcinoma
 oncogene and its normal-homologue
 JOURNAL Nature 302 (5903), 33-37 (1983)
 PUBMED 6298635
 COMMENT On Feb 12, 2004 this sequence version replaced gi:35887.
 The human genome contains a family of genes with homology to the
 Harvey murine sarcoma virus oncogene (c-Ha-ras). Two of these
 homologues are detectable by high stringency Southern
 hybridizations; the c-Ha-ras1 and c-Ha-ras2 genes, which occur on
 BamHI fragments of varying sizes from 3 to 9 kb because of allelic
 polymorphisms in the flanking regions.
 Genomic mapping and nucleotide sequencing has shown that c-Ha-ras1
 is the normal progenitor of the transforming gene found in several
 human tumor cell lines (T24 bladder carcinoma; EJ bladder
 carcinoma; Hs242 lung carcinoma; SK2 melanoma; and HS578T mammary
 carcinosarcoma). The only difference within the coding exons of
 the c-Ha-ras1 proto-oncogene and the oncogene of the T24 and EJ
 cell lines is a 'g' to 't' transversion within codon 12 that
 results in the substitution of valine for glycine at this position
 in the p21 protein encoded by c-Ha-ras1. The mutation responsible
 for transforming ability of the p21 protein in the SK2 and Hs242
 cell lines is an 'a' to 't' transversion within codon 61 that
 results in the substitution of leucine for glutamine at this
 position. The mutation responsible for transforming ability of the
 p21 protein in the HS578T cell line is a 'g' to 'a' transition
 within codon 12 that results in the substitution of Aspartic acid
 for glycine at this position [9]. Because this 'g' to 'a'
 transition abolishes a MspI/HpaII site within the transformed
 allele, [9] was able to determine that both of the H-ras1 alleles
 found in normal cells from the same individual from which the
 HS578T cells were obtained, had the normal sequence at this
 position.
 A region of repeated DNA consisting of the 28bp consensus sequence
 'cactcccccttctctccaggggacgcca' begins at position 4755. The repeat
 occurs 29 times in the plasmid used for this sequence but may occur
 more times in the native DNA. This region is known to be
 unessential for transforming activity [5].
 [5] constructs a chimeric SV40 early promoter/human c-Ha-ras1
 plasmid to demonstrate that upon transfection transforming activity
 is unaffected. [2],[5] and [7] discuss the extensive homology with
 the retroviral onc genes (v-has, v-bas, v-ha-ras). Complete source
 information:
 Human genomic DNA [3],[1],[5]; human bladder carcinoma cell line
 T24 DNA [3],[2],[5],[7]; cDNA to mRNA, clones RS-3, RS-4 and RS-6
 [4]; human bladder carcinoma cell line EJ DNA [1]; human lung
 carcinoma cell line Hs242 DNA [6]; human melanoma cell line SK2
 DNA, clone lambda-SK2-T2 [8]; human mammary carcinosarcoma cell
 line SH578T DNA, clone lambda-HS578T [9],[10].
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Range: from to ☐ Reverse complemented strand Features: ☐ SNP graph ☐ CDD ☒ MGC ☐ HPRD ☐ STS ☐ tRNA

1: U38462. Reports Mesocricetus aura...[gi:1053060]

Links

LOCUS MAU38462 488 bp DNA linear ROD 08-NOV-1995
DEFINITION Mesocricetus auratus Ha-ras protein (c-Ha-ras) gene, exon 1 and 2, partial cds.
ACCESSION U38462
VERSION U38462.1 GI:1053060
KEYWORDS
SOURCE Mesocricetus auratus (golden hamster)
ORGANISM Mesocricetus auratus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Cricetidae; Cricetinae; Mesocricetus.
REFERENCE 1 (bases 1 to 488)
AUTHORS Chakravarti, D., Cavalieri, E.L. and Rogan, E.G.
TITLE Direct Submission
JOURNAL Submitted (12-OCT-1995) Dhruvajyoti Chakravarti, Epplery Institute, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-6805, USA
FEATURES
source Location/Qualifiers
1..488
/organism="Mesocricetus auratus"
/mol_type="genomic DNA"
/db_xref="taxon:10036"
/tissue_type="kidney"
/note="the identical sequence was found in five normal kidney DNA and five kidney tumor DNA samples"
gene 1..488
/gene="c-Ha-ras"
CDS join(1..111,303..>481)
/gene="c-Ha-ras"
/note="p21"
/codon_start=1
/product="Ha-ras"
/protein_id="AAB60504.1"
/db_xref="GI:1053061"
/translation="MTEYKLVVVGAGVGKSAITQLIQLIHFVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYSAMRDQYMRITGEGFLCVFAINNTKSFEDIHQY"
exon <1..111
/gene="c-Ha-ras"
/number=1
intron 112..302
/gene="c-Ha-ras"
/note="intron B"
variation 131
/gene="c-Ha-ras"
/note="this sequence has an extra C not found in GenBank Accession Number M84166"
/replace=""
variation 169
/gene="c-Ha-ras"
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variation 208
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/replace=""
variation 250
/gene="c-Ha-ras"
/note="this sequence has an extra G not found in GenBank Accession Number M84166"
/replace=""
exon 303..481
/gene="c-Ha-ras"
/number=2
intron 482..>488
/gene="c-Ha-ras"
/note="intron C"
ORIGIN
1 atgacagaat acaagctcgt ggtggtgggc gctggaggcg tgggaaagag tgcctgacc
61 atccagctga tccagaacca tttgtggac gagtatgacc ccaccataga ggtgagctct
121 ggctacctgc ctgggtctctg gcagtggtca tggaaagatc aggaagggcc cacacagcta
181 ggtcttgacg gtggtacgag tctgtttcca cctgatctaa cagggcatag gaggtgcaag
241 ggtaggcggg ctcttggtct ctctgaggag aggtggaacc cctaagctct gttcttctgc
301 aggtattcta ccggaacacg gtggtcattg atggggagac atgtctgctg gacatcttag
361 acacagcagg ccaagaggag tacagtgcc tggggagacc gtacatgcgc acaggggagg
421 gcttctctctg tgtgttcgcc atcaacaaca ccaagtcctt tgaagacatc catcagtaca
481 ggtgagtt
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1: 1WQ1G Reports

BLink, Conserved Domains, Links

Chain G, Ras-Rasgap Complex
gi|3402130|pdb|1WQ1|G[3402130]2: 1WQ1R Reports

BLink, Conserved Domains, Links

Chain R, Ras-Rasgap Complex
gi|3402129|pdb|1WQ1|R[3402129]3: 1A2B Reports

BLink, Conserved Domains, Links

Chain, Human Rhoa Complexed With Gtp Analogue
gi|3318980|pdb|1A2B|[3318980]4: 2RGF Reports

BLink, Conserved Domains, Links

Chain, Rbd Of Ral Guanosine-Nucleotide Exchange Factor (Protein),
Nmr, 10 Structures
gi|2982004|pdb|2RGF|[2982004]5: 1JAI Reports

BLink, Conserved Domains, Links

Chain, H-Ras P21 Protein Mutant G12p, Complexed With
Guanosine-5'-[beta,Gamma-Methylene] Triphosphate And Manganese
gi|2392390|pdb|1JAI|[2392390]6: 1JAH Reports

BLink, Conserved Domains, Links

Chain, H-Ras P21 Protein Mutant G12p, Complexed With
Guanosine-5'-[beta,Gamma-Methylene] Triphosphate And Magnesium
gi|2392389|pdb|1JAH|[2392389]7: BAA20127 Reports

BLink, Conserved Domains, Links

Rap 1B [Rattus norvegicus]
gi|2116982|dbj|BAA20127.1|[2116982]8: BAA20126 Reports

BLink, Conserved Domains, Links

Rap 1A [Rattus norvegicus]
gi|2116980|dbj|BAA20126.1|[2116980]9: AAC52724 Reports

BLink, Conserved Domains, Links

RalGDS-like factor
gi|1354501|gb|AAC52724.1|[1354501]10: 1AGP Reports

BLink, Conserved Domains, Links

Chain, C-H-Ras P21 Protein Mutant With Gly 12 Replaced By Asp

(G12d) Complexed With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|515076|pdb|1AGP| [515076]

☐ **11: 1GNP** Reports BLink, Conserved Domains, Links
☐ Chain, C-H-Ras P21 Protein Complexed With 3'-O²-(N-Methyl-Anthraniloyl-2'-Deoxyguanosine-5'-[β , γ -Imido]- Triphosphate (Residues 1 - 166)
gi|1127267|pdb|1GNP| [1127267]

☐ **12: 1PLL** Reports BLink, Conserved Domains, Links
☐ Chain, C-H-Ras P21 Protein Mutant With Gly 12 Replaced By Pro (G12p) Complexed With Guanosine-Diphosphate
gi|576244|pdb|1PLL| [576244]

☐ **13: 1PLK** Reports BLink, Conserved Domains, Links
☐ Chain, C-H-Ras P21 Protein Mutant With Gly 12 Replaced By Pro (G12p) Complexed With Guanosine-Triphosphate
gi|576243|pdb|1PLK| [576243]

☐ **14: 1PLJ** Reports BLink, Conserved Domains, Links
☐ Chain, C-H-Ras P21 Protein Mutant With Gly 12 Replaced By Pro (G12p) Complexed With P3-1-(2-Nitrophenyl)ethyl-Guanosine-5'-(β , γ -Imido)-Triphosphate
gi|576242|pdb|1PLJ| [576242]

☐ **15: 821P** Reports BLink, Conserved Domains, Links
☐ Chain, C-H-Ras P21 Protein (Residues 1 - 166) Mutant With Gly 12 Replaced By Pro (G12p) Complex With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|494936|pdb|821P| [494936]

☐ **16: 721P** Reports BLink, Conserved Domains, Links
☐ Chain, H-Ras P21 Protein Mutant With Gln 61 Replaced By Leu (Q61I) Complex With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|494925|pdb|721P| [494925]

☐ **17: 621P** Reports BLink, Conserved Domains, Links
☐ Chain, H-Ras P21 Protein Mutant With Gln 61 Replaced By His (Q61h) Complex With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|494922|pdb|621P| [494922]

☐ **18: 521P** Reports BLink, Conserved Domains, Links
☐ Chain, H-Ras P21 Protein Mutant With Gly 12 Replaced By Val (G12v) Complex With Guanosine Triphosphate
gi|494910|pdb|521P| [494910]

☐ **19: 421P** Reports BLink, Conserved Domains, Links
☐ Chain, H-Ras P21 Protein Mutant With Gly 12 Replaced By Arg (G12r) Complex With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|494886|pdb|421P| [494886]

☐ **20: 221P** Reports BLink, Conserved Domains, Links
☐ Chain, H-Ras P21 Protein Mutant With Asp 38 Replaced By Glu (D38e) Complex With Guanosine-5'-[β , γ -Imido] Triphosphate
gi|494721|pdb|221P| [494721]

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